



# FIRE SPRINKLER PERMIT SUBMITTAL CHECKLIST

## Planning & Community Development

The following information is typically needed in order to submit an application for review. Depending on the scope of work, some items may not apply or may be combined. If you have a question on required items, please call (206) 801-2500 or stop by our office. Read each item carefully and provide all applicable information. **All site plans and civil drawings must be drawn to an engineering or architectural scale (e.g. 1" = 20' or 1/4" = 1').**

- ☐ **City of Shoreline Permit Application**  
(attached). Please indicate # of heads.
- ☐ **Construction Drawings – three (3) copies**  
draw to architectural scale.
  - Site plan indicating the building's location on the property, with north arrow.
  - Building floor plan indicating the use of each room and the location of each sprinkler head.
  - Full height cross-section including ceiling detail, trusses, attics and interstitial spaces.
  - Type of building construction and the location of all area or occupancy separation walls.
  - Make, type, nominal orifice size, temperature rating and number of each sprinkler type.
  - Total number of sprinklers and approximate capacity in gallons of each dry-pipe system.
  - Pipe detail including: type, wall thickness, C-factor, fittings, nominal size and cutting lengths.
  - Type and location of hangers, sleeves, braces and methods of securing sprinklers.
  - Calculation of loads for sizing and details of sway bracing, including attachment to structure.
- ☐ **Hydraulic Calculation**  
Hydraulic reference points corresponding to identified points on the drawings.
  - The design density, design area of application and allowances for hose streams.
  - The information to be included on the hydraulic name plate on the riser.
  - Relative elevation of sprinklers, junction points and supply or reference points.
  - A directional flow diagram to accompany gridded system calculations.
  - Cut sheets for heads, piping, check valves and other appliances affecting flow.
- ☐ Sprinkler system plans, calculations, and contractors' materials and test certificates submitted to the City shall be stamped pursuant to WAC 212-80-083 including stamps for NFPA 13D, 13R, and 13.

### **Submittal Fee: Sprinkler Systems (Each Riser)**

**New System:** \$725.00 plus \$3.00 per head (\$145.00 hourly rate, 5 hour minimum)

#### **Existing System:**

1 to 10 heads \$435.00 (\$145.00 hourly rate, 3 hour minimum)

11 to 20 heads \$580.00 (\$145.00 hourly rate, 4 hour minimum)

More than 20 heads \$725.00 plus \$3.00 per head (\$145.00 hourly rate, 5 hour minimum)

#### **Residential (R-3) 13-D System:**

1 to 30 heads \$435.00 (\$145.00 hourly rate, 3 hour minimum)

More than 30 heads \$435.00 plus \$3.00 per head (\$145.00 hourly rate, 3 hour minimum)

Voluntary Under 4,800 sq. ft. (\$145 hourly rate, 1 hour minimum)

Backflow Device \$145.00 per device.

**NOTE:** All submittal items must be legible. Number each page consecutively and staple them together with the site plan as your first sheet. For any additional information contact the Shoreline Fire Department at (206) 533-6565. No pencil drawings will be accepted. **Applications may not be accepted after 4:00 pm.**

**OTHER PERMITS:** Fire Alarm

ROW Permit

Underground Supply Line

8/2011

**17500 Midvale Avenue North, Shoreline, Washington 98133-4905**

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The Development Code (Title 20) is located at [mrsc.org](http://mrsc.org)